

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 12:45:05 ON 24 JUL 2007

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 12:45:17 ON 24 JUL 2007

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 23 JUL 2007 HIGHEST RN 943188-87-2

DICTIONARY FILE UPDATES: 23 JUL 2007 HIGHEST RN 943188-87-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

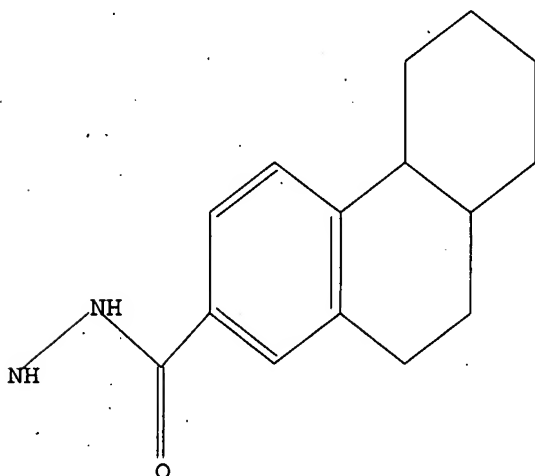
Uploading C:\Program Files\Stnexp\Queries\10579354.str

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 12:45:35 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 937 TO ITERATE

100.0% PROCESSED 937 ITERATIONS
SEARCH TIME: 00.00.01

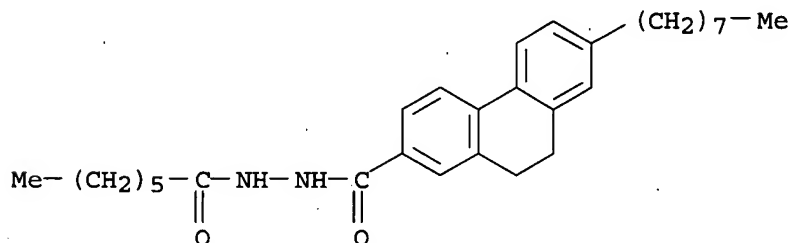
1 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 16904 TO 20576
PROJECTED ANSWERS: 1 TO 80

L2 1 SEA SSS SAM L1

=> d

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN
RN 139676-04-3 REGISTRY
ED Entered STN: 20 Mar 1992
CN 2-Phenanthrenecarboxylic acid, 9,10-dihydro-7-octyl-, 2-(1-oxoheptyl)hydrazide (9CI) (CA INDEX NAME)
MF C30 H42 N2 O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s l1 ful

FULL SEARCH INITIATED 12:46:03 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 19819 TO ITERATE

100.0% PROCESSED 19819 ITERATIONS
SEARCH TIME: 00.00.01

13 ANSWERS

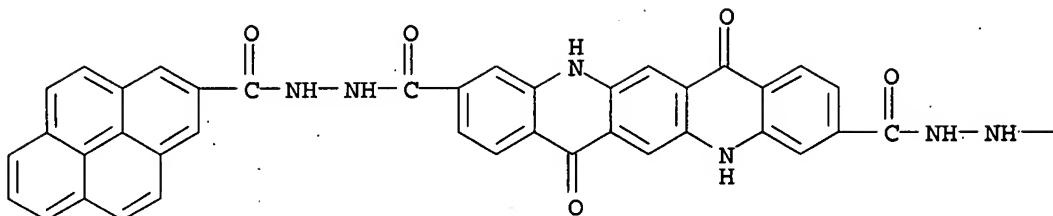
L3 13 SEA SSS FUL L1

=> d l3 1-13

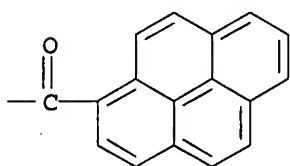
L3 ANSWER 1 OF 13 REGISTRY COPYRIGHT 2007 ACS on STN
RN 933783-36-9 REGISTRY
ED Entered STN: 30 Apr 2007
CN Quino[2,3-b]acridine-3,10-dicarboxylic acid, 5,7,12,14-tetrahydro-7,14-dioxo-, 3-[2-(1-pyrenylcarbonyl)hydrazide] 10-[2-(2-pyrenylcarbonyl)hydrazide] (CA INDEX NAME)
MF C56 H32 N6 O6

SR CA
LC STN Files: CA, CAPLUS

PAGE 1-A



PAGE 1-B

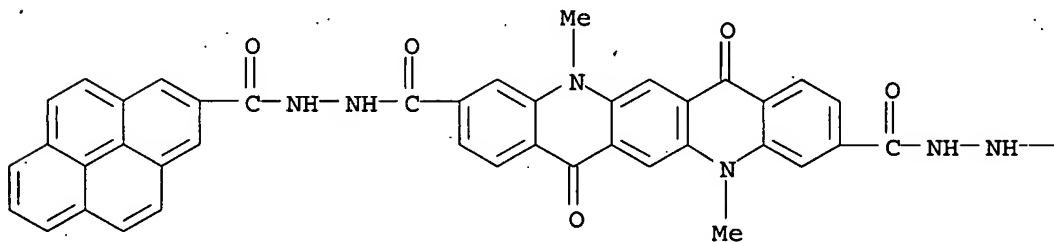


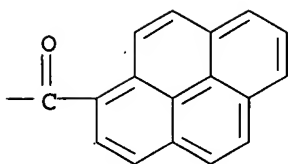
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 2 OF 13 REGISTRY. COPYRIGHT 2007 ACS on STN
RN 933783-35-8 REGISTRY
ED Entered STN: 30 Apr 2007
CN Quino[2,3-b]acridine-3,10-dicarboxylic acid, 5,7,12,14-tetrahydro-5,12-dimethyl-7,14-dioxo-, 3-[2-(1-pyrenylcarbonyl)hydrazide]
10-[2-(2-pyrenylcarbonyl)hydrazide] (CA INDEX NAME)
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SR CA
LC STN Files: CA, CAPLUS

PAGE 1-A

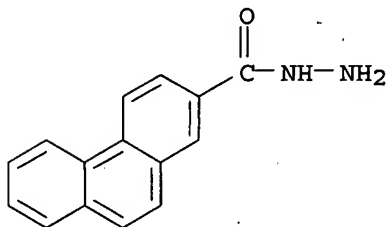




PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 3 OF 13 REGISTRY COPYRIGHT 2007 ACS on STN
RN 860551-58-2 REGISTRY
ED Entered STN: 17 Aug 2005
CN 2-Phenanthrenecarboxylic acid, hydrazide (4CI) (CA INDEX NAME)
MF C15 H12 N2 O
SR CAS EARLY REGISTRATIONS
LC STN Files: CA, CAPLUS

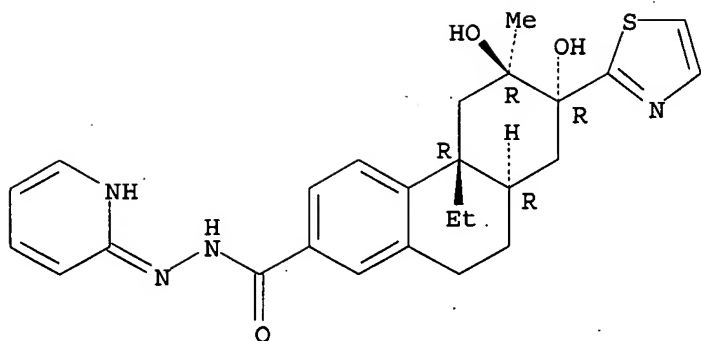


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 4 OF 13 REGISTRY COPYRIGHT 2007 ACS on STN
RN 852403-63-5 REGISTRY
ED Entered STN: 16 Jun 2005
CN 2-Phenanthrenecarboxylic acid, 4b-ethyl-4b,5,6,7,8,8a,9,10-octahydro-6,7-dihydroxy-6-methyl-7-(2-thiazolyl)-, 2-(2-pyridinyl)hydrazide, (4bR,6R,7R,8aR)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C26 H30 N4 O3 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL.

Absolute stereochemistry.

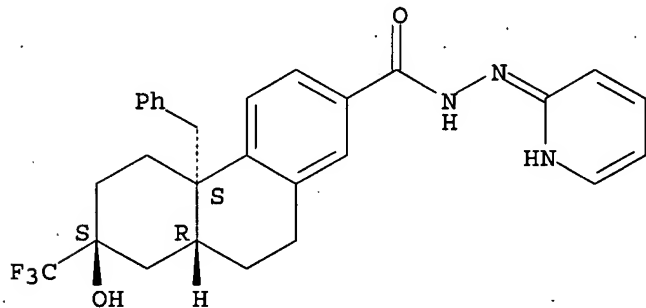


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 5 OF 13 REGISTRY COPYRIGHT 2007 ACS on STN
RN 852403-61-3 REGISTRY
ED Entered STN: 16 Jun 2005
CN 2-Phenanthrenecarboxylic acid, 4b,5,6,7,8,8a,9,10-octahydro-7-hydroxy-4b-(phenylmethyl)-7-(trifluoromethyl)-, 2-(2-pyridinyl)hydrazide, (4bS,7S,8aR)-(9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C28 H28 F3 N3 O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

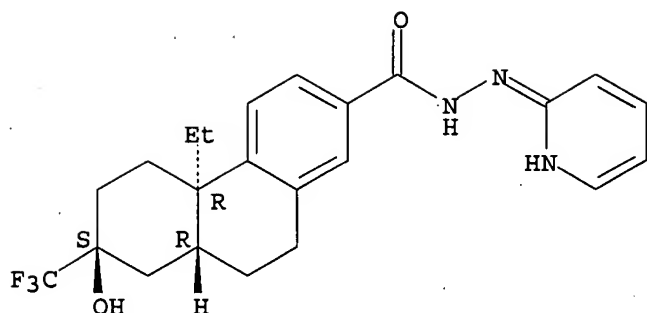


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 6 OF 13 REGISTRY COPYRIGHT 2007 ACS on STN
RN 852403-56-6 REGISTRY
ED Entered STN: 16 Jun 2005
CN 2-Phenanthrenecarboxylic acid, 4b-ethyl-4b,5,6,7,8,8a,9,10-octahydro-7-hydroxy-7-(trifluoromethyl)-, 2-(2-pyridinyl)hydrazide, (4bR,7S,8aR)-(9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C23 H26 F3 N3 O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

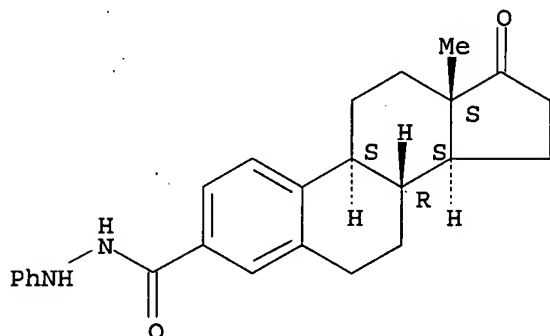


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 7 OF 13 REGISTRY COPYRIGHT 2007 ACS on STN
RN 223259-52-7 REGISTRY
ED Entered STN: 14 May 1999
CN Estra-1,3,5(10)-triene-3-carboxylic acid, 17-oxo-, 2-phenylhydrazide (9CI)
(CA INDEX NAME)
FS STEREOSEARCH
MF C25 H28 N2 O2
SR CA
LC STN Files: CA, CAPLUS, CASREACT

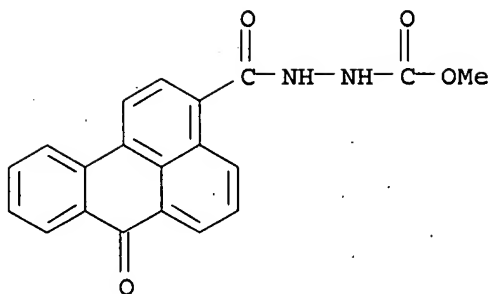
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

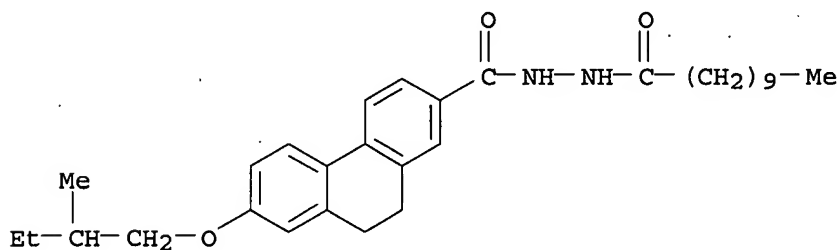
L3 ANSWER 8 OF 13 REGISTRY COPYRIGHT 2007 ACS on STN
RN 213190-98-8 REGISTRY
ED Entered STN: 25 Oct 1998
CN Hydrazinecarboxylic acid, 2-[(7-oxo-7H-benz[de]anthracen-3-yl)carbonyl]-, methyl ester (9CI) (CA INDEX NAME)
MF C20 H14 N2 O4
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

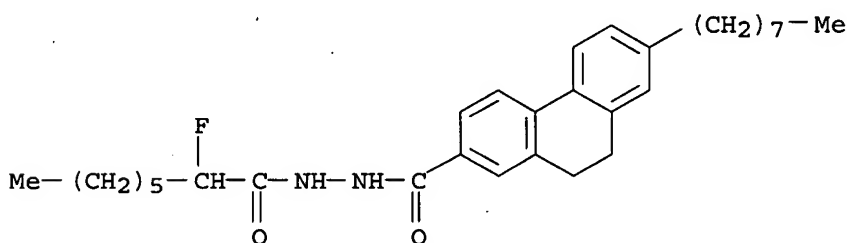
L3 ANSWER 9 OF 13 REGISTRY COPYRIGHT 2007 ACS on STN
RN 139676-10-1 REGISTRY
ED Entered STN: 20 Mar 1992
CN 2-Phenanthrenecarboxylic acid, 9,10-dihydro-7-(2-methylbutoxy)-,
2-(1-oxoundecyl)hydrazide (9CI) (CA INDEX NAME)
MF C31 H44 N2 O3
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

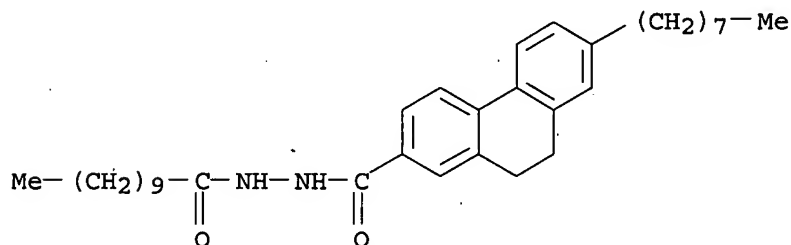
L3 ANSWER 10 OF 13 REGISTRY COPYRIGHT 2007 ACS on STN
RN 139676-06-5 REGISTRY
ED Entered STN: 20 Mar 1992
CN 2-Phenanthrenecarboxylic acid, 9,10-dihydro-7-octyl-, 2-(2-fluoro-1-oxooctyl)hydrazide (9CI) (CA INDEX NAME)
MF C31 H43 F N2 O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

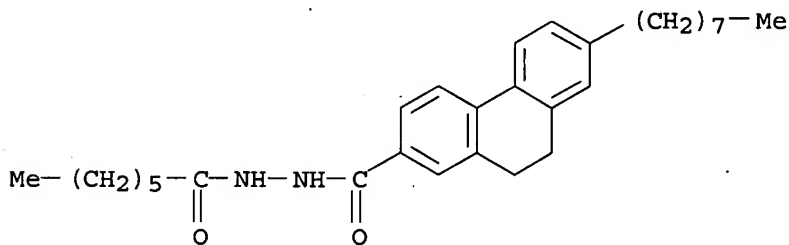
L3 ANSWER 11 OF 13 REGISTRY COPYRIGHT 2007 ACS on STN
RN 139676-05-4 REGISTRY
ED Entered STN: 20 Mar 1992
CN 2-Phenanthrenecarboxylic acid, 9,10-dihydro-7-octyl-, 2-(1-oxoundecyl)hydrazide (9CI) (CA INDEX NAME)
MF C34 H50 N2 O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 12 OF 13 REGISTRY COPYRIGHT 2007 ACS on STN
RN 139676-04-3 REGISTRY
ED Entered STN: 20 Mar 1992
CN 2-Phenanthrenecarboxylic acid, 9,10-dihydro-7-octyl-, 2-(1-oxoheptyl)hydrazide (9CI) (CA INDEX NAME)
MF C30 H42 N2 O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

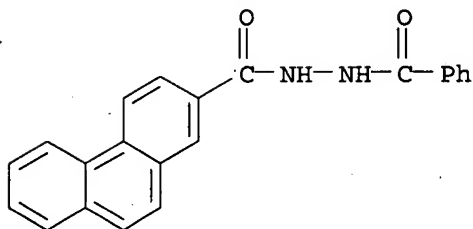


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 13 OF 13 REGISTRY COPYRIGHT 2007 ACS on STN
RN 32081-70-2 REGISTRY
ED Entered STN: 16 Nov 1984
CN Hydrazine, 1-benzoyl-2-(2-phenanthrylcarbonyl)- (8CI) (CA INDEX NAME)

MF C22 H16 N2 O2
LC STN Files: CA, CAPLUS, IFICDB, IFIPAT, IFIUDB



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

199.85

200.06

FILE 'CAPLUS' ENTERED AT 12:46:24 ON 24 JUL 2007

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FILE COVERS 1907 - 24 Jul 2007 VOL 147 ISS 5

FILE LAST UPDATED: 23 Jul 2007 (20070723/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s l3

L4 7 L3

=> d l4 1-7

L4 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2007:432131 CAPLUS

DN 146:411194

TI Fluorescent compounds showing high-purity white emission and electroluminescent devices therewith

IN Nakaya, Tadao; Sato, Mikura; Kodera, Toshihiro; Takano, Shinji; Eto, Naonobu

PA Hirose Engineering Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 56pp.

CODEN: JKXXAF

DT Patent
LA Japanese
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|----------------|------|----------|-----------------|----------|
| PI | JP 2007099723 | A | 20070419 | JP 2005-294228 | 20051006 |
| PRAI | JP 2005-294228 | | 20051006 | | |

L4 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2005:451357 CAPLUS
DN 143:7512
TI A preparation of octahydrophenanthrenecarboxylic acid hydrazide derivatives, useful as glucocorticoid receptor modulators
IN Robinson, Ralph Pelton, Jr.; Kleinman, Edward Fox; Cheng, Hengmiao
PA Pfizer Products Inc., USA
SO PCT Int. Appl., 44 pp.
CODEN: PIXXD2

DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 2005047254 | A1 | 20050526 | WO 2004-IB3671 | 20041108 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| | RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| | AU 2004289532 | A1 | 20050526 | AU 2004-289532 | 20041108 |
| | CA 2545020 | A1 | 20050526 | CA 2004-2545020 | 20041108 |
| | EP 1685110 | A1 | 20060802 | EP 2004-798811 | 20041108 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS | | | | |
| | JP 2007511501 | T | 20070510 | JP 2006-538983 | 20041108 |
| | US 2007129410 | A1 | 20070607 | US 2006-579354 | 20060907 |
| PRAI | US 2003-519937P | P | 20031113 | | |
| | WO 2004-IB3671 | W | 20041108 | | |

OS MARPAT 143:7512

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1999:137712 CAPLUS
DN 130:296880
TI Synthesis of N-Substituted Steroidal Hydrazides in Homogeneous Catalytic Hydrazinocarbonylation Reaction
AU Skoda-Foeldes, Rita; Szarka, Zsolt; Kollar, Laszlo; Dinya, Zoltan; Horvath, Judit; Tuba, Zoltan
CS Department of Organic Chemistry, University of Veszprem, Veszprem, H-8200, Hung.
SO Journal of Organic Chemistry (1999), 64(6), 2134-2136
CODEN: JOCEAH; ISSN: 0022-3263
PB American Chemical Society
DT Journal
LA English
OS CASREACT 130:296880

RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 1998:612065 CAPLUS
 DN 129:244947
 TI Benzanthrone compounds and aza analogs and antiviral uses thereof
 IN Johnson, Michael R.; Kang, Myung-chol; Nemazany, Alexei G.
 PA Trimeris, Inc., USA
 SO PCT Int. Appl., 83 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 9839287 | A1 | 19980911 | WO 1998-US4140 | 19980304 |
| | W: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, GH, GW, HU, ID, IL, IS, JP, KG, KP, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| | RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG | | | | |
| | AU 9866809 | A | 19980922 | AU 1998-66809 | 19980304 |
| | EP 1021397 | A1 | 20000726 | EP 1998-908887 | 19980304 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI | | | | |
| | ZA 9801873 | A | 19990906 | ZA 1998-1873 | 19980305 |
| PRAI | US 1997-38597P | P | 19970305 | | |
| | US 1998-33738 | A | 19980303 | | |
| | WO 1998-US4140 | W | 19980304 | | |

OS MARPAT 129:244947

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 1992:162662 CAPLUS
 DN 116:162662
 TI Mesomorphic compound and liquid-crystal composition, device, display apparatus, and display method using it
 IN Takiguchi, Takao; Iwaki, Takashi; Togano, Takeshi; Yamada, Yoko; Nakamura, Shinichi
 PA Canon K. K., Japan
 SO Eur. Pat. Appl., 147 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | EP 455219 | A1 | 19911106 | EP 1991-107014 | 19910430 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE | | | | |
| | JP 04013797 | A | 19920117 | JP 1990-115097 | 19900502 |
| | JP 2857223 | B2 | 19990217 | | |
| | US 5213709 | A | 19930525 | US 1991-693611 | 19910430 |
| PRAI | JP 1990-115097 | A | 19900502 | | |

OS MARPAT 116:162662

L4 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 1971:127557 CAPLUS
 DN 74:127557
 TI Oxadiazole compounds for use as fluorescent whiteners
 IN Atkinson, John R.; Hemingway, Eric
 PA Imperial Chemical Industries Ltd.

SO Brit., 12 pp.
CODEN: BRXXAA
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|------------|------|----------|-----------------|----------|
| | ----- | ---- | ----- | ----- | ----- |
| PI | GB 1222970 | | 19710217 | GB 1967-37407 | 19670815 |
| | US 3600383 | | 19710817 | US | 19680729 |

L4 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1938:41809 CAPLUS

DN 32:41809

OREF 32:5825c-i,5826a-b

TI Phenanthrene series. XVI. Amino alcohols and miscellaneous derivatives of phenanthrene

AU van de Kamp, Jacob; Burger, Alfred; Mosettig, Erich

SO Journal of the American Chemical Society (1938), 60, 1321-5

CODEN: JACSAT; ISSN: 0002-7863

DT Journal

LA Unavailable

=> fil reg; d stat que 117

FILE 'REGISTRY' ENTERED AT 12:36:44 ON 24 JUL 2007

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STRUCTURE FILE UPDATES: 23 JUL 2007 HIGHEST RN 943188-87-2

DICTIONARY FILE UPDATES: 23 JUL 2007 HIGHEST RN 943188-87-2

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TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

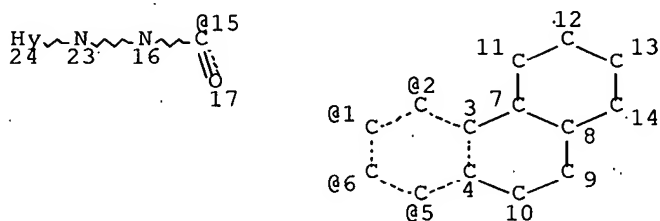
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

L14

STR



VPA 15-1/2/5/6 U

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

MLEVEL IS CLASS AT 24

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 19

STEREO ATTRIBUTES: NONE

L17 3 SEA FILE=REGISTRY SSS FUL L14

100.0% PROCESSED 1165 ITERATIONS

SEARCH TIME: 00.00.01

3 ANSWERS

INVENTOR SEARCH

=> fil capl; d que nos l24

FILE 'CAPLUS' ENTERED AT 12:36:54 ON 24 JUL 2007

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'OBI' IS DEFAULT SEARCH FIELD FOR 'CAPLUS' FILE

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L19         42 SEA FILE=CAPLUS ABB=ON  KLEINMAN E?/AU
L20        5996 SEA FILE=CAPLUS ABB=ON  CHENG H?/AU
L21         1 SEA FILE=CAPLUS ABB=ON  L17
L22         1 SEA FILE=CAPLUS ABB=ON  (L18 OR L19 OR L20) AND L21
L23         1 SEA FILE=CAPLUS ABB=ON  L18 AND L19 AND L20
L24         1 SEA FILE=CAPLUS ABB=ON  (L1 OR L22 OR L23)

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=> d ibib ed abs hitstr l24

L24 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:451357 CAPLUS Full-text

DOCUMENT NUMBER: 143:7512

TITLE: A preparation of octahydrophenanthrenecarboxylic acid hydrazide derivatives, useful as glucocorticoid receptor modulators

INVENTOR(S): Robinson, Ralph Pelton, Jr.; Kleinman, Edward Fox; Cheng, Hengmiao

PATENT ASSIGNEE(S): Pfizer Products Inc., USA

SOURCE: PCT Int. Appl., 44 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------|------|------|-----------------|------|
|------------|------|------|-----------------|------|

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WO 2005047254      A1      20050526      WO 2004-IB3671      20041108
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    CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
    GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
    LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
    NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
    TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW:  BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
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    NE, SN, TD, TG
AU 2004289532      A1      20050526      AU 2004-289532      20041108
CA 2545020          A1      20050526      CA 2004-2545020      20041108
EP 1685110          A1      20060802      EP 2004-798811      20041108
R:   AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
    IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS
JP 2007511501      T      20070510      JP 2006-538983      20041108
US 2007129410      A1      20070607      US 2006-579354      20060907 <--
PRIORITY APPLN. INFO.:      US 2003-519937P      P      20031113
                                WO 2004-IB3671      W      20041108

OTHER SOURCE(S):      MARPAT 143:7512
ED   Entered STN:  27 May 2005
GI

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* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The invention relates to a preparation of octahydrophenanthrenecarboxylic acid hydrazide derivs. of formula I [wherein: R1 is 1 to 6 independent substituents; R2 is 1 or 2 independent substituents selected from H, alkyl optionally substituted with 1-3 halogens, alkynyl, or OH, etc.; R3 is heterocycle], useful as glucocorticoid receptor modulators. The invention compds. are useful in the treatment of obesity, diabetes, anxiety, or inflammatory diseases. For instance, octahydrophenanthrenecarboxylic acid hydrazide derivative II was prepared from naphthalene derivative III in 9 steps. Preferred invention compds. showed ED50 less than 3 μ M.

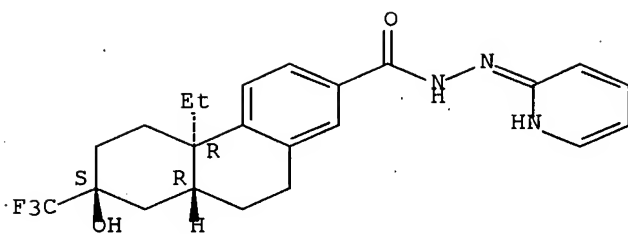
IT 852403-56-6P 852403-61-3P 852403-63-5P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of octahydrophenanthrenecarboxylic acid hydrazide derivs. useful as glucocorticoid receptor modulators)

RN 852403-56-6 CAPLUS

CN 2-Phenanthrenecarboxylic acid, 4b-ethyl-4b,5,6,7,8,8a,9,10-octahydro-7-hydroxy-7-(trifluoromethyl)-, 2-(2-pyridinyl)hydrazide, (4bR,7S,8aR)-(9CI) (CA INDEX NAME)

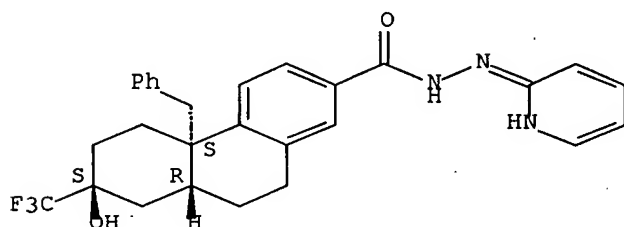
Absolute stereochemistry.



RN 852403-61-3 CAPLUS

CN 2-Phenanthrenecarboxylic acid, 4b,5,6,7,8,8a,9,10-octahydro-7-hydroxy-4b-(phenylmethyl)-7-(trifluoromethyl)-, 2-(2-pyridinyl)hydrazide, (4bS,7S,8aR)- (9CI) (CA INDEX NAME)

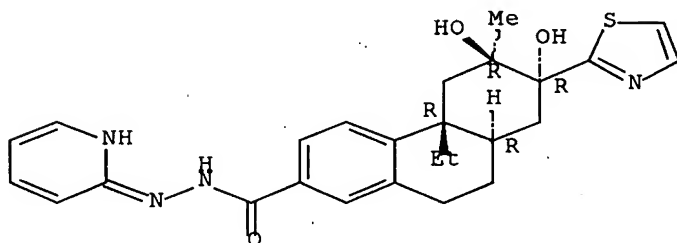
Absolute stereochemistry.



RN 852403-63-5 CAPLUS

CN 2-Phenanthrenecarboxylic acid, 4b-ethyl-4b,5,6,7,8,8a,9,10-octahydro-6,7-dihydroxy-6-methyl-7-(2-thiazolyl)-, 2-(2-pyridinyl)hydrazide, (4bR,6R,7R,8aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT:

1

THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

INVENTORS' WORK WAS THE ONLY REFERENCE FOR THE HITS FROM THE STRUCTURE SEARCH

=> fil capl; d que nos l21

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'OBI' IS DEFAULT SEARCH FIELD FOR 'CAPLUS' FILE

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|-----|---------------------------------|
| L14 | STR |
| L17 | 3 SEA FILE=REGISTRY SSS FUL L14 |
| L21 | 1 SEA FILE=CAPLUS ABB=ON L17 |

=> s l21 not l24

L34 0 L21 NOT L24

STRUCTURE SEARCH IN MARPAT

=> fil marpat; d stat que 127

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FILE CONTENT: 1961-PRESENT VOL 147 ISS 4 (20070720/ED)

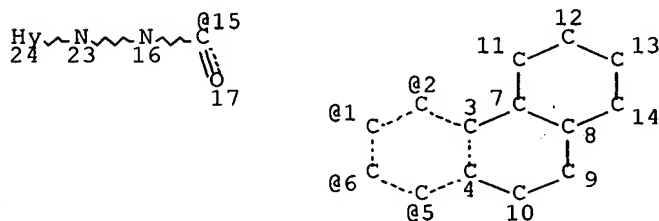
SOME MARPAT RECORDS ARE DERIVED FROM INPI DATA FOR 1961-1987

MOST RECENT CITATIONS FOR PATENTS FROM MAJOR ISSUING AGENCIES
(COVERAGE TO THESE DATES IS NOT COMPLETE):

US 2007129580 07 JUN 2007
 DE 102005057715 06 JUN 2007
 EP 1792894 06 JUN 2007
 JP 2007137854 07 JUN 2007
 WO 2007069909 21 JUN 2007
 GB 2432586 30 MAY 2007
 FR 2893842 01 JUN 2007
 RU 2299229 20 MAY 2007
 CA 2577437 21 MAY 2007

Expanded G-group definition display now available.

L14 STR



VPA 15-1/2/5/6 U

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

MLEVEL IS CLASS AT 24

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 19

STEREO ATTRIBUTES: NONE

L27 1 SEA FILE=MARPAT SSS FUL L14

100.0% PROCESSED 3060 ITERATIONS

SEARCH TIME: 00.00.03

1 ANSWERS

ONLY ONE HIT & IT IS THE INVENTORS' WORK

=> d scan 127

L27 1 ANSWERS MARPAT COPYRIGHT 2007 ACS on STN
 IC ICM C07D213-77
 ICS C07D417-12; A61K031-4402; A61P003-04; A61P003-10
 CC 25-27 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
 Section cross-reference(s): 1, 63
 TI A preparation of octahydrophenanthrenecarboxylic acid hydrazide
 derivatives, useful as glucocorticoid receptor modulators
 ST phenanthrene hydrazide prepn glucocorticoid receptor modulator
 antidiabetic antiobesity
 IT Antidepressants
 Antiparkinsonian agents
 Antipsychotics
 (drug component; preparation of octahydrophenanthrenecarboxylic acid
 hydrazide derivs. useful as glucocorticoid receptor modulators)
 IT Sulfonylureas
 Thyroid hormones
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (drug component; preparation of octahydrophenanthrenecarboxylic acid
 hydrazide derivs. useful as glucocorticoid receptor modulators)
 IT Allergy inhibitors
 Anti-inflammatory agents
 Antiarthritics
 Antiasthmatics
 Antidiabetic agents
 Antiobesity agents
 Anxiolytics
 Human
 (preparation of octahydrophenanthrenecarboxylic acid hydrazide derivs.
 useful as glucocorticoid receptor modulators)
 IT Glucocorticoid receptors
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (preparation of octahydrophenanthrenecarboxylic acid hydrazide derivs.
 useful as glucocorticoid receptor modulators)
 IT Inflammation
 Nose, disease
 (rhinitis, treatment of; preparation of octahydrophenanthrenecarboxylic
 acid
 hydrazide derivs. useful as glucocorticoid receptor modulators)
 IT Allergy
 Anxiety
 Arthritis
 Asthma
 Connective tissue, disease
 Diabetes mellitus
 Digestive tract, disease
 Endocrine system, disease
 Eye, disease
 Inflammation
 Neoplasm
 Obesity
 Respiratory system, disease
 (treatment of; preparation of octahydrophenanthrenecarboxylic acid
 hydrazide
 derivs. useful as glucocorticoid receptor modulators)
 IT 9028-31-3, Aldose reductase 220983-94-8, Sorbitol dehydrogenase
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(drug component, inhibitor of; preparation of octahydrophenanthrenecarboxylic acid hydrazide derivs. useful as glucocorticoid receptor modulators)

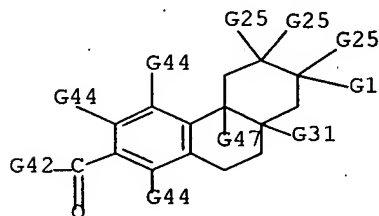
IT 94-20-2, Chlorpropamide 9004-10-8, Insulin, biological studies
10238-21-8, Glyburide 97322-87-7, Troglitazone
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(drug component; preparation of octahydrophenanthrenecarboxylic acid hydrazide derivs. useful as glucocorticoid receptor modulators)

IT 852403-56-6P 852403-61-3P 852403-63-5P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of octahydrophenanthrenecarboxylic acid hydrazide derivs. useful as glucocorticoid receptor modulators)

IT 78-94-4, 3-Buten-2-one, reactions 2472-22-2, 6-Methoxy-2-tetralone
3034-53-5, 2-Bromothiazole 4930-98-7, 2-Hydrazinopyridine 37595-74-7
53694-87-4 81290-20-2 852403-62-4
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of octahydrophenanthrenecarboxylic acid hydrazide derivs. useful as glucocorticoid receptor modulators)

IT 20915-75-7P, 1-Ethyl-6-methoxy-3,4-dihydro-1H-naphthalen-2-one
645396-66-3P 645396-67-4P 645396-69-6P 645398-33-0P 646066-46-8P
852403-57-7P 852403-58-8P 852403-59-9P 852403-60-2P 852403-64-6P
852403-65-7P 852403-66-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of octahydrophenanthrenecarboxylic acid hydrazide derivs. useful as glucocorticoid receptor modulators)

MSTR 1A



G42 = 189

$$\text{HN}-\text{NH}-\text{G43}$$

G43 = heterocycle <containing 5 or more atoms,
zero or more N, zero or more O,
zero or more S (no other heteroatoms), mono- or bicyclic,
including 5-, 6- or 7-membered rings> (opt. substd.)

Patent location: claim 1

Note: or pharmaceutically acceptable salts or prodrugs

Note: also incorporates claim 18

Stereochemistry: or isomers

ALL ANSWERS HAVE BEEN SCANNED

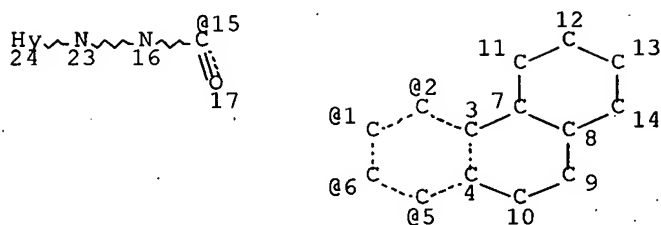
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SEARCH HISTORY

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L14 STR



VPA 15-1/2/5/6 U

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

MLEVEL IS CLASS AT 24

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 19

STEREO ATTRIBUTES: NONE

L17 3 SEA FILE=REGISTRY SSS FUL L14

100.0% PROCESSED 1165 ITERATIONS

3 ANSWERS

SEARCH TIME: 00.00.01

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E US2006-579354/APPS

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D SCAN
SEL RN

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OR 2472-22-2/BI OR 3034-53-5/BI OR 37595-74-7/BI OR 4930-98-7/B
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852403-65-7/BI OR 852403-66-8/BI OR 9004-10-8/BI OR 9028-31-3/B
I OR 94-20-2/BI OR 97322-87-7/BI)
D SCAN

L3 STR

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L5 STR L3

L6 9 SEA SSS SAM L5
D SCAN

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 L12 STR L10
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 L17 3 SEA SSS FUL L14
 SAVE TEMP L17 KUM354FULL/A

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 L19 42 SEA ABB=ON KLEINMAN E?/AU
 L20 5996 SEA ABB=ON CHENG H?/AU
 L21 1 SEA ABB=ON L17
 L22 1 SEA ABB=ON (L18 OR L19 OR L20) AND L21
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 L24 1 SEA ABB=ON (L1 OR L22 OR L23)

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 D BIB
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FILE 'CAPLUS' ENTERED AT 12:36:54 ON 24 JUL 2007
 D QUE NOS L24
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 D SCAN L27

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 D STAT QUE L17